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PATENT

Customer Number 22,852

Attorney Docket No. 07691.0009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kurt HERTOGS et al.

Application No.: 09/580,491

Filed: May 30, 2000

For: NEW MUTATIONAL PROFILES
IN HIV-1 PROTEASE AND
REVERSE TRANSCRIPTASE
CORRELATED WITH
PHENOTYPIC DRUG
RESISTANCE

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) Group Art Unit: 1631
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) Examiner: N. Galitsky
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Assistant Commissioner for Patents
Washington, DC 20231

Sir:

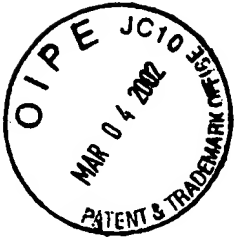
RESPONSE AND AMENDMENT

In response to the Office Action dated December 4, 2001, Applicants respectfully request reconsideration of the subject application in light of the following remarks.

IN THE SPECIFICATION

On Page 6, please delete the 2nd full paragraph beginning "Extensive genetic analysis" and insert the following paragraph:

- -Extensive genetic analysis of resistant viral isolates generated through *in vivo* or *in vitro* selection has revealed that resistance is generally caused by mutations altering the nucleotide sequence at some specific site(s) of the viral genome. The



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